

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Norwalk Substation

Date: March 23, 2006

Inspector: Don Ukers

Location: Norwalk Substation Expansion

Storm/

Rain Event: Only a trace of precipitation was recorded since the previous inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	- The catch basin near the Route 7 ramp receives a lot of off-site stormwater, and erosion and sedimentation of roadway sand is occurring here. 12/22-3/23/06.	-The area should no longer be affected by any onsite sediment. The access road is paved and the swale is vegetated. The silt fence could be removed. 12/1-3/23/06.	-N/A.
Foundation construction	- Some structural and electrical work was ongoing in and near the GIS building. Some work continues on adjacent structures. 2/9-3/23/06.	-None at this time. The site remains largely contained. 3/23/06.	-N/A.
	- Some work continues within the live yard. 3/15-3/23/06.	- None at this time. Work remains controlled. 3/23/06.	-N/A.
Erosion and Sediment Controls	- Sediment accumulation continues in the stone onsite at one of the access gates. This is a result of offsite stormwater and roadway sand 1/4-3/23/06.	-None at this time. 3/23/06.	-N/A
	- Some sedimentation was noted at the top of the perimeter swale near the Rt. 7 ramp. 3/2-3/23/06.	- Monitor stormwater flow and drainage patterns when possible. Watch for any erosive flows off site. This is not	-N/A at this time

Areas of Inspection	Observation	Recommended Action	Corrected Action
		a result of any work related issues. 1/4-3/23/06. - This remains contained to the site and appears to be related to the roadway 3/2-3/23/06.	
Erosion and Sediment Controls continued	-Erosion controls remain in place across the Norwalk River as a result of soil testing. This was not immediately part of the substation work. 2/22-3/23/06.	-This is not under the jurisdiction of the current substation work docket. 2/2-3/23/06.	-N/A
Inland Wetland and Watercourse encroachment and mitigation	- The overflow channel and natural overflow area were not flowing at the time of inspection. 3/23/06. - Some minor erosion was noted along the top of slope along the overflow channels 1/19-3/23/06.	- None at this time but consider re-vegetating during the growing season. 3/23/06. - Vegetation within the channel is growing well.	-N/A until evaluated during the growing season.
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A.
Vegetative clearing limits (including trees to save or danger trees noted)	-No additional clearing is needed at this time. 3/23/06.	- Clearing was limited to what is necessary and it will continue to be monitored. 3/23/06.	-N/A.
Dewatering	-Dewatering was not observed during this inspection. 3/23/06.	-None at this time. 3/23/06.	-N/A.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.	-N/A
Spills and Material Storage	- The Ackerman was again observed to have a small drip. 3/23/06.	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.	

Areas of Inspection	Observation	Recommended Action	Corrected Action
Spills and Material Storage continued		<ul style="list-style-type: none"> - Report spills to the office immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. - All fuels and agents not in use should be covered and stored in the sheds and trailers before leaving for the day due to the sensitivity of the area. 	-N/A at this time
Additional Observations	<ul style="list-style-type: none"> -The general site clean up continues. Significant portions of materials and debris have been removed from site. 3/8-3/23/06. - The litter noted along the Norwalk Riverbank at the end of the bike path was determined not to be part of the substation work. 3/23/06. 	<ul style="list-style-type: none"> -None at this time. -None at this time. 3/23/06. 	<ul style="list-style-type: none"> -N/A - N/A

Plumtree Substation

Date: March 24, 2006

Inspector: Don Ukers, Diana Walden

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Only a trace of precipitation was recorded since the previous inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads	<ul style="list-style-type: none"> - Minor cleanup remains for 345kV XLPE crews in the access drive. 3/24/06. - Work has returned to the substation so the drive is again in use for 	<ul style="list-style-type: none"> - See 345kV XLPE report for details. 3/24/06 - None at this time. 3/24/06 	<ul style="list-style-type: none"> -N/A. - N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
	this equipment. 3/15-3/24/06		
Foundation construction	<p>- Work continues within the substation yard with some significant excavation and caisson drilling. 3/15-3/24/06.</p> <p>- Active caisson drilling was occurring at the time of inspection. 3/24/06</p>	<p>- Remain aware of the perimeter of the yard and the workspace and the fact the area is surrounded by wetlands. 3/15-3/24/06</p> <p>- See erosion control section. 3/15/06</p>	- N/A at this time.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<p>- Haybales were installed adjacent to the stockpiles by the perimeter stone berm. 3/24/06.</p> <p>- A haybale basin was installed at the fence corner to hold drill cuttings, water and stone dust from the caisson drilling. Sediment spilled over or seeped through the bales and tracked into the adjacent wetland. 3/24/06</p>	<p>- Continue to monitor that the controls are effective. 3/24/06.</p> <p>- The capacity of the basin will need to be increased and we discussed installing a plastic liner to contain the muds. The sediment will also have to be removed carefully from the wetland ASAP. 3/24/06.</p>	- Haybales were installed here.
Inland Wetland and Watercourse encroachment and mitigation	<p>- Wetlands are located around the outskirts of the substation yard.</p> <p>- The sediment tracked into the wetlands and settled in several locations. 3/24/06.</p>	- Crews will have to remove the sediment carefully from the wetlands ASAP. 3/24/06.	
State species of concern, threatened and endangered species	- Although there was no evidence of a nest in the previous stockpile, crews returning to the site at this time will have to remain aware of the fact the weather is warming and the wood turtle could return to the site in the spring. 3/15-3/24/06	- Move machinery carefully and perform daily walkdowns of the site each morning when the weather gets warmer. 3/15-3/24/06.	- N/A until the weather warms up.
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A	- N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	- Dewatering or removal of stone dust from the caisson hole was being sent to a basin on site which is not currently large enough to handle all the material. 3/24/06.	- See the erosion control section for details. 3/24/06.	
Blasting	- No blasting is occurring on site at this time.	- None at this time.	-N/A
Spills and Material Storage	- No spills or leaks were noted. Now that machinery has returned, continue to monitor. 3/24/06	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations			

Next likely scheduled inspection: Wednesday March 29, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Don Ukers



Norwalk Substation: Photo on the left shows work continuing within the live yard. Photo on the right shows a general overview of the yard near the GIS building with most materials removed and cleaned up. 3/23/06.



Plumtree Substation: Photo on the right shows a basin installed to handle drill cuttings, stone dust and water from the caisson drilling. Photo on the left shows where materials seeped out or overflowed the basin from the yard. 3/24/06



The drill cuttings seeped into the wetland from the yard and collected in some of the low spots.
3/24/06



Another view of the sediment within some of the standing water in the wetlands. Crews are going to have to remove this to the best of their ability as carefully and as soon as possible. 3/24/06